

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1332	360/324.1,324.11,324.12.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:37
L2	1379	29/603.07,603.13-603.16,603.18.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:15
L3	4754	216/41,62,66,67.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:20
L4	25	216/41,62,66,67.ccls. and (etch\$2 same (magnetoresistive or (tunnel near junction)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:21
L5	35	216/41,62,66,67.ccls. and (etch\$3 same (magnetoresistive or (tunnel near junction)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:24
L6	89	1 and (etch\$3 same (magnetoresistive or (tunnel near junction)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:21
L7	142	2 and (etch\$3 same (magnetoresistive or (tunnel near junction)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:21
L8	8908	(first near mask) same (second near mask)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:27
L9	2	5 and 8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:21
L10	0	6 and 8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:21
L11	2	7 and 8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:21

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L12	3	9 or 11	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:21
L13	12496	(first near mask) and (second near mask)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:27
L14	45	13 and (etch\$3 same (magnetoresistive or (tunnel near junction)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:25
L15	182	etch\$3 near ((first near mask) same (second near mask))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:25
L16	1	15 and (etch\$3 same (magnetoresistive or (tunnel near junction)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:29
L17	3	("6605836").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/02/27 08:53
L18	0	15 and 17	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:26
L19	0	8 and 17	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:27
L20	0	13 and 17	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:27
L21	69308	(first with mask) and (second with mask)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:29
L22	1	17 and 21	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:28
L23	293	21 and (etch\$3 same (magnetoresistive or (tunnel near junction)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:33

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L24	1005	etch\$3 near ((first with mask) and (second with mask))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:32
L25	9	23 and 24	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:29
L26	5	("5652445"   "5757695"   "5953248"   "5978182"   "6104633").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 07:30
L27	732	etch\$3 near ((first with mask) same (second with mask))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:35
L28	5992	(etch\$3 same (magnetoresist\$3 or (tunnel near junction) or (spin adj valve) or transducer))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:44
L29	9	27 and 28	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:34
L30	20165	etch\$3 with ((first with mask) same (second with mask))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:42
L31	296	28 and 30	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:36
L32	351	linear near mask	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:36
L33	4	31 and 32	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:36
L34	1657	360/324.1,324.11,324.12,324.2. ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:37
L35	284	28 and 34	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:39

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L36	21	30 and 35	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:37
L37	175	2 and 34	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:39
L38	262	2 and 28	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:39
L39	45	2 and 31	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:40
L40	15	39 and @ad<"20010316"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:40
L41	2060	etch\$3 with ((first near mask) same (second near mask))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:42
L42	182	etch\$3 near ((first near mask) same (second near mask))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:48
L43	4	28 and 42	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:43
L44	1815	(etch\$3 same (magnetoresist\$3 or (tunnel near junction) or (spin adj valve)))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:05
L45	1	42 and 44	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:44
L46	363	etch\$3 near ((first near mask) and (second near mask))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:45
L47	2	44 and 46	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:45

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L48	960	Kishi-Tatsuya.in. or Takahashi-Shigeki.in. or Nakajima-Kentaro.in. or "Amano-Minoru.in" or Sagoi-Masayuki.in. or Saito-Yoshiaki.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:47
L49	0	27 and 48	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:47
L50	0	24 and 48	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:47
L51	22	44 and 48	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:48
L52	8908	((first near mask) same (second near mask))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:50
L53	8	48 and 52	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:48
L54	8	(first near liner near mask)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:50
L55	13	(second near liner near mask)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:50
L56	9	(second near linear near mask)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:50
L57	12	(first near linear near mask)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:50
L58	7	56 and 57	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:52



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L59	2	48 and 58	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:50
L60	92	3 and 52	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:53
L61	4	44 and 60	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 07:53
L62	7	("4803580"   "5212609"   "5463517"   "5491600"   "5568335"   "5916423"   "5976769").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 07:56
L63	5	("5212609"   "5463517"   "5491600"   "5916423"   "5976769").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 07:57
L64	2	(US-6655007-\$ or US-6209193-\$). did.	USPAT	OR	ON	2006/02/27 08:21
L65	2152	(first near ferromagnetic) same (second near ferromagnetic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:05
L66	567	(first near ferromagnetic) same (second near ferromagnetic) same (nonmagnetic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:06
L67	0	64 and 66	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:05
L68	25291	(magnetoresistive or (tunnel near junction) or (spin adj valve))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:07
L69	461	66 and 68	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:06
L70	1	52 and 69	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:06

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L71	1	(first near ferromagnetic) near (second near ferromagnetic) near (nonmagnetic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:06
L72	418	(first adj ferromagnetic) with (second adj ferromagnetic) with (nonmagnetic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:07
L73	182	((first adj ferromagnetic) with (second adj ferromagnetic) with (nonmagnetic)) same (magnetoresistive or (tunnel near junction) or (spin adj valve))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:08
L74	78	73 and @ad<"20010301"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:08
L75	25	((first adj ferromagnetic) with (second adj ferromagnetic) with (nonmagnetic)) same ((tunnel near junction))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:09
L76	4	75 and @ad<"20010301"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:23
L77	3419	(magnetization near axis)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:22
L78	412	(magnetization near axis) with ferromagnetic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:22
L79	415	(easy near magnetization near axis) with ferromagnetic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:22
L80	0	64 and 79	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:22
L81	71	(easy near magnetization near axis) near ferromagnetic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:22
L82	41	81 and @ad<"20010301"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:36

## EAST Search History

L83	55	multilayer\$2 near ((free adj layer) or (pinned adj layer))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:36
L84	18	83 and @ad<"20010301"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:51
L85	12	((("5953248") or ("5575695") or ("6104633") or ("5978182") or ("5652445")).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/02/27 08:51
L86	1845	257/295.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:54
L87	2420	365/158,171,173.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:54
L88	935	324/252.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:54
L89	14235	428/212,332,336,692,694,900.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:56
L90	1	46 and 86	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:56
L91	0	46 and 87	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:56
L92	0	46 and 88	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:56
L93	0	46 and 89	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 08:56
L94	1	(US-5549978-\$.did.	USPAT	OR	ON	2006/02/27 09:22



## EAST Search History

L95	1	94 and hs	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/27 09:22
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- ☐ 1. **Fabrication of Nb/AIO<sub>x</sub>/Nb tunnel junctions using focused ion beam impl: patterning (FINP) technique**  
Akaike, H.; Fujimaki, A.; Takai, Y.; Hayakawa, H.;  
[Applied Superconductivity, IEEE Transactions on](#)  
Volume 3, Issue 1, Part 4, Mar 1993 Page(s):2187 - 2190  
Digital Object Identifier 10.1109/77.233937  
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- ☐ 2. **Fabrication of niobium-lead tunnel junctions using a self aligned masking**  
Jain, A.; Sauvageau, J.; Schwartz, D.; Springer, K.; Lukens, J.;  
[Magnetics, IEEE Transactions on](#)  
Volume 21, Issue 2, Mar 1985 Page(s):955 - 958  
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- ☐ 3. **All refractory NbN integrated circuit process**  
Thomasson, S.L.; Moopenn, A.W.; Elmadjian, R.; Murduck, J.M.; Spargo, J.W.  
Chan, H.W.;  
[Applied Superconductivity, IEEE Transactions on](#)  
Volume 3, Issue 1, Part 4, Mar 1993 Page(s):2058 - 2061  
Digital Object Identifier 10.1109/77.233452  
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- ☐ 4. **Sub  $\mu$ m Nb/AIO<sub>x</sub>/Nb Josephson junctions fabricated by anodization techn**  
Dolata, R.; Weimann, T.; Scherer, H.-J.; Niemeyer, J.;  
[Applied Superconductivity, IEEE Transactions on](#)  
Volume 9, Issue 2, Part 3, June 1999 Page(s):3255 - 3258  
Digital Object Identifier 10.1109/77.783723  
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